INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/37731

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : F02B 33/44; F02M 25/07					
US CL : 60/605.2, 605.1; 123/568.19, 568.22, 73/118.1; 701/100					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 60/605.2, 605.1; 123/568.19, 568.22, 73/118_1; 701/100					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) NONE					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No.	
A, P	US 6,725,660 B2 (HIDAKA) 27 April 2004 (27.04.2004).			1-10	
A	US 6,470,864 B2 (KIM et al.) 29 October 2002 (29.10.2002).			1-10	
A	US 6,298,718 B1 (WANG) 9 October 2001, (09.10.2001).			1-10	
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	documents are listed in the continuation of Box C.		See patent family annex.		
"A" document	pecial categories of cited documents: defining the general state of the art which is not considered to icular relevance	"T"	later document published after the in priority date and not in conflict with understand the principle or theory un	the application but cited to	
_	plication or patent published on or after the international filing	"X"	document of particular relevance; the considered novel or cannot be consid- step when the document is taken alor	lered to involve an inventive	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y"	considered to involve an inventive step when the document is combined with one or more other such documents, such		
"O" document	referring to an oral disclosure, use, exhibition or other means		combination being obvious to a perso	on skilled in the art	
"P" document published prior to the international filing date but later than the			document member of the same patent	family	
Date of the actual completion of the international search			Date of mailing of the international search report		
18 February 2005 (18.02.2005)			1/7 MAR 2005		
Name and mailing address of the ISA/US Mail Stop PCT, Atm: ISA/US Authorized officer					
Commissioner for Patents		Thai-Ba Trieu			
P.O. Box 1450 Alexandria, Virginia 22313-1450		Telephone	No. (571) 272-3750		
Facsimile No. (703) 305-3230					

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